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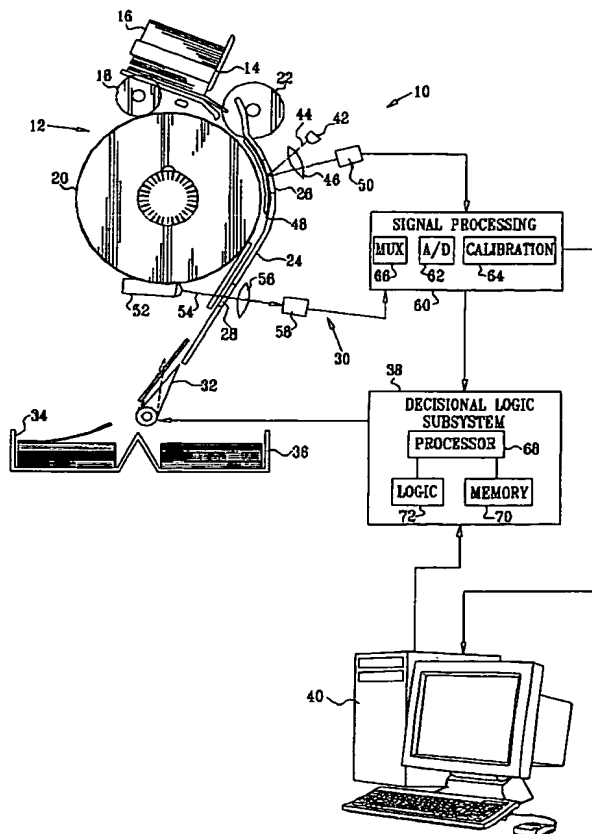
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(54) Title: **RECOGNITION OF BANKNOTE DENOMINATIONS IN AUTOMATIC MONEY PROCESSING**



(57) Abstract: Methods and systems are provided for the identification of banknotes using a process that comprises two stages. During training, a set of discriminators is developed using a training set of banknotes, which is representative of banknotes of different issuers and denominations. During an operational phase a scanned image of a banknote (26) to be identified is correlated or compared with different members of the set of discriminators. The results of the correlations and comparisons are fed to a decision making module (38) that either generates an identification code for the banknote (26), or reports an unknown banknote. Images of the banknotes are acquired at a spatial resolution as low as 10 dots per inch. At this resolution, the discrimination tables are reduced to masks (134, 136) and the discrimination process is rapidly completed using simple logical or integer arithmetic operations.

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UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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